

Message Text

UNCLASSIFIED

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ACTION OES-06

INFO OCT-01 IO-13 ISO-00 ACDA-10 CIAE-00 INR-07 L-03
NSAE-00 NSC-05 EB-08 NRC-07 FEAЕ-00 DODE-00 EPA-04
CEQ-01 SS-15 (ISO) W
-----022025 118454 /44

R 021446Z MAR 77

FM USMISSION IAEA VIENNA
TO SECSTATE WASHDC 8718
USERDA WASHDC
USERDA GERMANTOWN

UNCLAS SECTION 1 OF 2 IAEA VIENNA 1644

DEPT PASS IO/SCT, OES, AND NRC

EO 11652:NA

TAGS: IAEA, PARM, TECH
SUBJECT: AGENCY REQUEST FOR US ACCEPTANCE OF SAL RADIOACTIVE
WASTE

REF: IAEA VIENNA 1136

1. REFTEL TRANSMITTED TEXT OF DIRECTOR GENERAL EKLUND'S
LETTER REQUESTING THAT USG CONSIDER ACCEPTANCE BY US
LABORATORY OR OTHER FACILITY OF PLUTONIUM-BEARING RESIDUE
FROM AGENCY'S SAFEGUARDS ANALYTICAL LABORATORY (SAL) AT
SEIBERSDORF, AUSTRIA. PER PARA 4 REFTEL, MISSION COMMENTS
FOLLOW ON SUBJECT OF HOW US ACCEPTANCE OF SAL WASTE MIGHT
CONTRIBUTE TO SOLUTION OF PROBLEM OF SAMPLES FROM UNIFIED

INVENTORIES UNDER NPT SAFEGUARDS AGREEMENTS.

2. WHEN, DURING SAFEGUARDS INSPECTIONS, IAEA INSPECTORS
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TAKE SAMPLES FOR ANALYSIS AT SAL OR AT AN IAEA CONTRACT
LABORATORY, THE AGENCY IS REQUIRED BY AGREEMENT WITH THE US
TO FILE A REPORT OF TRANSFER (ERDA FORM SER-2) WHENEVER
THE SAMPLE IS TAKEN FROM SPECIAL NUCLEAR MATERIAL KNOWN
TO BE OF US ORIGIN. (THIS TERM, AS USED IN THIS MESSAGE,
IS INTENDED TO INCLUDE NUCLEAR MATERIAL PRODUCED FROM
MATERIAL OF US ORIGIN.) REQUIREMENT FOR AGENCY FILING

OF SER-2 FORM IS DOCUMENTED IN LETTER FROM MISSION TO IAEA DATED MAY 12, 1971, AND THE PURPOSE IS TO ASSURE THAT US/IAEA BILATERAL AGREEMENT APPLIES TO SUCH SAMPLES.

3. WHEN FACILITY BEING INSPECTED IS IN AN NNWS AND UNDER NPT SAFEGUARDS, IT IS OFTEN NOT POSSIBLE TO DETERMINE THE ORIGIN OF THE MATERIAL ACTUALLY SAMPLED SINCE ARTICLE 41 OF INF CRIC 153 CALLS FOR UNIFIED INVENTORY IN WHICH MATERIAL FROM VARIOUS SOURCES MAY BE COMBINED. IN SUCH CASES, THE FACILITY OPERATORS MAY BE UNABLE TO DETERMINE WHETHER SAMPLED MATERIAL IS OF US ORIGIN AND AGENCY MAY THUS BE UNABLE TO DETERMINE WHETHER US/IAEA AGREEMENT APPLIES TO SAMPLE AND THUS WHETHER FILING OF SER-2 FORM IS WARRANTED.

4. VIRTUALLY THE ENTIRE QUANTITY OF SPECIAL NUCLEAR MATERIAL CONTAINED IN SAMPLES RECEIVED AT SAL EVENTUALLY ENDS UP IN RESIDUES, WASTE AND SCRAP (REFERRED TO AS RESIDUE HEREAFTER). SAL RESIDUE, FROM ALL SOURCES, IS COMINGLED INTO A SINGLE UNIFIED RESIDUE INVENTORY, SOME OF WHICH MAY BE TREATED FOR RECOVERY OF SPECIAL NUCLEAR MATERIAL. SHOULD THE US AGREE TO ACCEPT SAL RESIDUE, THE US WOULD REACQUIRE WHATEVER MATERIAL OF US-ORIGIN WAS CONTAINED IN SAL-PROCESSED SAMPLES; WE WOULD ALSO ACQUIRE MATERIAL OF NON-US ORIGIN CONTAINED IN SAL-PROCESSED SAMPLES. THUS, BY AGREEING TO ACCEPT ALL UNCLASSIFIED

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SAL RESIDUES, THE US MIGHT SOLVE IDENTIFY PROBLEM DESCRIBED IN PARA 3 BY PERMITTING ALL SAMPLES (WHETHER TAKEN FROM UNIFIED INVENTORIES OR FROM NON-UNIFIED INVENTORIES OF KNOWN US-ORIGIN) TO BE TRANSFERRED FROM FACILITIES BEING INSPECTED TO ANALYTICAL LABORATORIES WITHOUT IDENTIFICATION OF NATIONAL ORIGIN.

5. ANOTHER POSSIBLE APPROACH TO THE PROBLEM DESCRIBED IN PARA 3, SHOULD THE US DECIDE NOT ACCEPT SAL RADIOACTIVE RESIDUE, WOULD BE TO TRANSFER SAMPLES FROM FACILITIES TO SAL AS INDICATED IN PARA 4 (I.E. WITHOUT IDENTIFICATION OF NATIONAL ORIGIN), AND ASK THE AGENCY TO DESIGNATE ALL NUCLEAR MATERIAL IN SAL RESIDUE TO BE OF US-ORIGIN. THIS WOULD HAVE THE EFFECT OF CAUSING SAL RESIDUE TO BE SUBJECT TO THE US-IAEA AGREEMENT FOR COOPERATION. BASIS FOR ASKING AGENCY TO COOPERATE IN THIS WAY WOULD BE THAT BECAUSE SAMPLES FROM SOME- NON-UNIFIED INVENTORIES WOULD BE KNOWN TO CONTAIN MATERIAL OF US-ORIGIN, AND SAMPLES FROM UNIFIED

INVENTORIES MIGHT CONTAIN MATERIAL OF US-ORIGIN, THE ONLY WAY THE US WOULD BE PREPARED TO PERMIT SAMPLES FROM UNIFIED INVENTORIES TO BE TRANSFERRED WITHOUT IDENTIFICATION OF NATIONAL ORIGIN WOULD BE IF THE AGENCY WOULD AGREE TO DESIGNATE ALL NUCLEAR MATERIAL IN SAL RESIDUE TO BE OF US-ORIGIN. SECRETARIAT DUBIOUS ABOUT THIS APPROACH, BELIEVING IT MIGHT HAVE DIFFICULTY DISPOSING OF SAL RESIDUE TO ANOTHER COUNTRY IF RESIDUE WERE DECLARED TO BE MATERIAL OF US-ORIGIN.

6. CURRENTLY, ABOUT 80 PERCENT OF IAEA SAFEGUARDS SAMPLES ARE ANALYZED AT SAL, WITH REMAINING 20 PERCENT ANALYZED AT AGENCY'S NETWORK OF CONTRACT LABORATORIES. (ALL SAMPLES COME T SAL; SOME ARE ANALYZED AT SAL; UNCLASSIFIED

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THE REMAINDER IS SENT TO CONTRACT LABORATORIES FOR ANALYSIS.) SECRETARIAT ESTIMATES THAT WITHIN FEW YEARS CONTRACT LABORATORIES WILL PERFORM ABOUT 50 PERCENT OF AGENCY'S SAFEGUARDS SAMPLE ANALYSIS WORK. AGENCY'S

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ACTION OES-06

INFO OCT-01 IO-13 ISO-00 ACDA-10 CIAE-00 INR-07 L-03
NSAE-00 NSC-05 EB-08 NRC-07 FEAE-00 DODE-00 EPA-04
CEQ-01 SS-15 /080 W
-----021933 115028 /44

R 021446Z MAR 77
FM USMISSION IAEA VIENNA
TO SECSTATE WASHDC 8719
USERDA HQ WASHDC
USERDA HQ GERMANTOWN

UNCLAS SECTION 2 OF 2 IAEA VIENNA 1644

USERDA WASHDC PASS SIEVERING

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PROPOSAL FOR US ACCEPTANCE OF SAL RADIOACTIVE WASTE
WOULD NOT APPLY TO WASTE FROM CONTRACT LABORATORIES
WHICH WOULD CONTINUE TO BE RESPONSIBLE FOR DISPOSAL
OF THEIR OWN WASTE. RESIDUES AT THOSE LABORATORIES FROM
SAMPLES TAKEN OF MATERIAL OF KNOWN US ORIGIN WOULD BE
COMINGLED WITH RESIDUE FROM SAMPLES TAKEN FROM MATERIAL
OF NON-US ORIGIN OR OF INDETERMINATE ORIGIN (I.E., FROM
UNIFIED INVENTORIES).

7. EXCEPT FOR FEW CASES UNDER TRILATERALS IN FORCE
TO WHICH US IS PARTY DATA CONCERNING PROPORTION OF US
ORIGIN MATERIAL IN PRESENT OR FUTURE INVENTORIES OF
FACILITIES UNDER IAEA SAFEGUARDS ARE NOT AVAILABLE. NEVER-
THELESS, EVEN IF SAMPLES ARE DISTRIBUTED BETWEEN SAL AND THE
NETWORK OF CONTRACT LABORATORIES ON RANDOM BASIS, WITH
AT LEAST HALF OF THE TOTAL GOING TO SAL, IT CAN BE REASONABLY
ASSUMED THAT THE NUCLEAR MATERIAL WHICH WILL ACCUMULATE IN SAL
RESIDUES DURING ONE YEAR OR MORE WILL APPROIMATE THE MATERIAL
OF US ORIGIN WHICH COULD REASONABLY BE ESTIMATED TO BE
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CONTAINED IN ALL THE SAMPLES TAKEN DURING THAT PERIOD.
THIS ASSUMPTION TAKES INTO ACCOUNT FACT THAT, WHILE SOME
MATERIAL OF US ORIGIN GOES TO CONTRACT LABORATORIES,
SOME MATERIAL OF NON-US ORIGIN GOES TO SAL.

8. AGENCY'S REQUEST FOR US ACCEPTANCE OF SAL WASTE WAS
LIMITED TO PLUTONIUM-BEARING RESIDUES, BUT ALSO
INCLUDED EXPRESSION BY AGENCY OF WILLINGNESS TO
CONSIDER AS WELL US ACCEPTANCE OF NON-PLUTONIUM-
BEARING URANIUM SAL RESIDUES, SHOULD THE US WISH TO
DO SO. IF APPROACH DESCRIBED PARA 4 ABOVE IS TAKEN,
MISSION BELIEVES THAT IN ORDER TO COMPREHENSIVELY
RESOLVE THE MATERIAL IDENTITY PROBLEM FOR UNIFIED
INVENTORIES, IT WOULD BE IN INTEREST OF US TO ACCEPT
ALL SAL RESIDUES INCLUDING NON-PLUTONIUM-BEARING
URANIUM.

9. WE CAN ENVISION SITUATIONS IN WHICH SOME MIX
MIGHT BE EMPLOYED OF THE PROCEDURES DESCRIBED IN
PARAS 4 AND 5. FOR EXAMPLE, THE GOVERNMENT OF AUSTRIA
HAS AGREED TO ACCEPT CATEGORY 4 SAL RESIDUE (FOUR
CATEGORIES OF SAL RESIDUE WAS DESCRIBED IN THE DG'S
LETTER QUOTED IN REFTEL). THUS, THE US MIGHT ACCEPT
RESIDUE CATEGORIES 1, 2 AND 3 UNDER THE PROCEDURE
DESCRIBED PARA 4, AND GOA MIGHT ACCEPT CATEGORY
4 RESIDUE UNDER THE PROCEDURE DESCRIBED PARA 5.

10. REFTEL MAY BE DECLASSIFIED.

11. MISSION REQUESTS URGENT ATTENTION THIS MATTER. STONE

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: POLICIES, RADIOACTIVE WASTES DISPOSAL, NUCLEAR SAFEGUARDS
Control Number: n/a
Copy: SINGLE
Sent Date: 02-Mar-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977IAEAV01644
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770072-0275
Format: TEL
From: IAEA VIENNA
Handling Restrictions: n/a
Image Path:
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Legacy Key: link1977/newtext/t197703102/aaaadlxu.tel
Line Count: 228
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Litigation History:
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Office: ACTION OES
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 5
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: 77 IAEA VIENNA 1136
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 06-Jan-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2942612
Secure: OPEN
Status: NATIVE
Subject: AGENCY REQUEST FOR US ACCEPTANCE OF SAL RADIOACTIVE WASTE
TAGS: PARM, TECH, AU, US, IAEA
To: STATE ERDA
Type: TE
vdkvgwkey: odbc://SAS/SAS.dbo.SAS_Docs/3c4b88ac-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009